Canon LASER CLASS 2060P

Canon LASER CLASS Printer Driver for Windows

Software User's Guide

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Chapter 1
Introduction

Welcome and congratulations on your purchase of the Canon LASER CLASS 2060P (also referred to in this guide as the printer) and its accompanying printer driver software.

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Printer Driver: an Overview

The printer driver is software that enables the printer to communicate with your computer. You can use the printer as the default printer in any Windows application that supports printing.

The printer driver includes features that enable you to define the results of your printed output (documents or images), such as:

- ❏ Custom paper sizes
- ❏ Graphic image as an overlay on documents (for example, to print your company logo on each page)
- ❏ Multiple pages (up to nine) printed on one sheet of paper
- ❏ User-defined print profiles for storing and using print preferences.

System Requirements

To successfully install and operate your printer and printer driver, your system must meet the following minimum requirements:

- ❏ **Windows Operating System**
  Microsoft Windows 95, Windows 98, Windows Me, Windows NT 4.0, or Windows 2000
- ❏ **Computer Processor**
  - Windows 95/98/NT 4.0: A 90-megahertz (MHz) Pentium processor or higher
  - Windows Me: A 150-MHz Pentium processor or higher
  - Windows 2000: A 133-MHz Pentium processor or higher
- ❏ **Service Pack**
  Windows NT 4.0 only: Service Pack 4 or later

❏ **Memory**
- Windows 95/98/Me/NT 4.0: 32 megabytes (MB) of RAM. 64 MB of RAM or more is recommended.
- Windows 2000: 64 MB of RAM. 128 MB of RAM or more is recommended.

❏ **Hard Disk Space**
15 MB of available hard disk space

❏ **Disk Drive**
CD-ROM drive, or access to one over a network connection

❏ **Monitor**
256-color SVGA monitor or greater

❏ **Printer Cable**
A shielded, bi-directional, IEEE-1284-compatible parallel cable 6.6 feet (2 meters) in length or shorter.

For help in purchasing the correct cable, consult your dealer or retailer.

About This Guide

This guide assumes you have a basic understanding of Windows. This includes how to start your system and navigate within the Windows environment. You should be familiar with common Windows terms such as window, dialog box, button, icon, menu, application, select, open, close, click, double-click, drag, and list box.

For assistance in familiarizing yourself with Windows, refer to your Microsoft Windows user documentation.

Screen illustrations were prepared using a Windows 98 system, or a Windows 2000 system (for instructions specified for Windows NT and/or Windows 2000).

Conventions Used in This Guide

The following types of formatting identify specific types of information provided in this guide.

Italicized text	Used to stress the importance of a word or phrase, or to refer to the title of another guide. For example: You *cannot* access the dialog box.... -or- ...the *Microsoft Windows User's Guide*....
Text in quotation marks	Used to refer to the title of a section within the guide. For example: ...the "Installing the Software" section....
Click, double-click	Use of the word click or double-click provides instructions for selecting or choosing a command or option, generally with a mouse. For example: Click OK to continue.
Monospaced text	Used for commands you might type when installing the software, or system messages that may display on your screen. For example: `A:\SETUP`
Capitalization	Used for all the key words in the name or title of an option on the screen. For example: In the dialog box, click Image Type to set....

Other User Assistance

In addition to this guide, the following information and instructions are available.

- **Printer Driver Online Help**
  The online help includes context-sensitive help about a window or dialog box and step-by-step instructions for performing tasks.

- **Canon LASER CLASS 2060P User's Guide**
  This guide offers detailed information on how to set up and operate your printer. It includes initial setup procedures, daily maintenance, and troubleshooting.

- **Quick Start Guide**
  This guide summarizes the steps for setting up your printer driver.

Chapter 2
Installing the Printer Driver

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Before You Begin the Installation: a Checklist

To ensure a smooth and successful installation, take some time before you begin to plan and prepare for the installation process.

- ❏ **Connect your printer cable.**
  Connect the printer cable to the port on your computer at this time. The printer needs to be connected for the installation to finish successfully.

  The parallel port must be a dedicated port. The printer does not operate with a redirected or virtual parallel port.

  If your system displays a found new hardware dialog box, click Cancel. Use the procedures in the "Installing the Software" section to install the software with the installation disk.

- ❏ **Turn on computer. Start Windows.**
  If you have not already done so, turn on your computer and start Windows.

- ❏ **Close applications.**
  If any Windows applications (including any virus checkers) are open, close the applications. With the applications closed, you ensure that the software installs properly.

- ❏ **Cancel new hardware detection.**
  As a reminder: If your system displays a found new hardware dialog box, click Cancel. Use the procedures in the "Installing the Software" section to install the software with the installation disk.

To install the printer driver if you are using Windows NT/2000, you must log on as Administrator or have Administrator privileges. If you do not have Administrator privileges, ask your system administrator to install the printer driver software on your PC.

NOTE

If your current printer purchase is replacing a MultiPASS printer, you *must remove* the MultiPASS software installed on your system *before installing* the new printer. For instructions on removing the MultiPASS software, see the software user's guide that came with your MultiPASS software.

Installing the Software

You are ready to install the software once you have prepared your system, as described in the "Before You Begin the Installation: a Checklist" section.

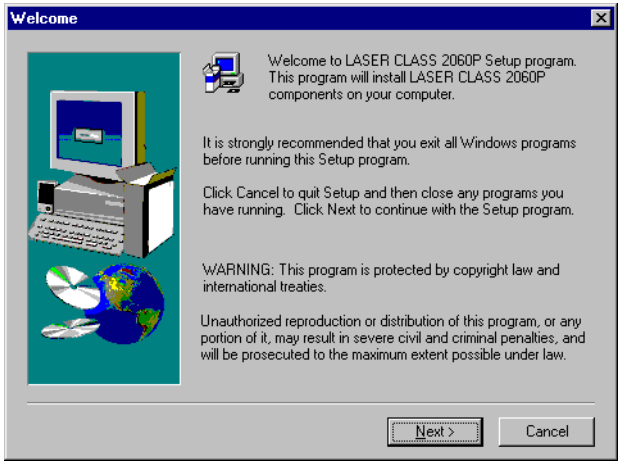
NOTE

If the software has been placed on a local or network drive, you can install the software on your system from that drive, rather than using the installation disk. For instructions, see Appendix B.

To install the software:

1. Insert the installation disk into your disk drive.

2. If AutoRun is enabled, the installation starts automatically.


Welcome
Welcome to LASER CLASS 2060P Setup program. This program will install LASER CLASS 2060P components on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

If installation does not start automatically:

- On the Windows taskbar, click Start, and then click Run.
- In the Run dialog box, type the following command and click OK (where D: is your disk drive containing the installation disk).

```
D:\SETUP\SETUP.EXE
```

3. Follow the on-screen instructions to complete the installation process.

   During installation, follow these guidelines:

   - Click Next to move from one dialog box to the next.
   - Make sure you click Next or OK on the current dialog box.
   - Be sure to wait for Windows to complete each setup step. If you hear the computer working, wait until it is done.

4. If prompted, connect your printer cable to the port on your computer.
5. When the setup is finished, if prompted, restart Windows.

   The installation program determines whether Windows needs to be restarted on your system.

Setting the Default Printer

When you install the printer driver software, the system automatically sets the printer as the default printer. If necessary, however, follow these instructions to set the default printer.

To set the default printer:

1. On the Windows desktop, click Start, and then point to Settings.
2. On the Settings menu, click Printers.
3. In the Printers window, click the printer icon.

4. On the File menu, click Set As Default (Windows 95/98/Me/NT) or Set as Default Printer (Windows 2000).

Sharing the Printer Installation

You may be using your computer and the printer connected to your computer in an environment where multiple computers are connected by a network. In this case, you can share the use of your printer with the other computers on the network.

If you choose to share the use of your printer, your computer acts as the host system or server to the other computers (also referred to as remote or client systems).

To use your printer, the client systems must have the printer driver software installed on them. The software can be installed on the client systems directly from your system. Based on which Windows operating system you are using, the following client systems can share your printer:

If your system (server) is:	**Install on client system:**
Windows 95/98/Me	Windows 95/98/Me
Windows NT/2000	Windows 95/98/Me or Windows NT/2000

When a document is printed by the client system on a shared printer, any printing messages (status or error messages) display on the server system.

Setting Up Your Printer for Sharing

Before the client systems can be installed with the printer driver software, you must set up the printer for sharing on the server system.

To set up the printer for sharing:

1. On the server system, on the Windows taskbar, click Start, point to Settings, and then click Printers.

2. In the Printers window, click the printer icon.

3. On the File menu, click Sharing.

   If the Sharing command is not available, you need to set up printer sharing in Windows. For details, see your Windows user documentation.

4. In the Properties dialog box, on the Sharing tab, click Shared As.

5. In the Share Name box (Windows 95/98/Me/NT) or Shared As box (Windows 2000), type a name you want to assign to the shared printer.

   If available, you may also want to assign a password, which would then be required by the client system when using the printer.

6. If your situation matches one of the following, set up an alternate or additional driver:

   - Windows NT/2000 server system sharing with Windows 95/98/Me client systems

   - Windows 2000 server system sharing with Windows NT client systems.

   For detailed instructions, see Appendix A in this guide.

7. In the Properties dialog box, click OK.

Installing the Printer Driver on a Client System

Once the printer has been set up for sharing, the printer driver can be installed from the server system to the appropriate client systems.

To install the printer driver on a client system:

1. On the client system, on the Windows taskbar, click Start, point to Settings, and then click Printers.

2. In the Printers window, double-click Add Printer.

3. Follow the on-screen instructions.

   Install the printer driver as a network printer, based on the name assigned to the shared printer.

You cannot install the printer driver on a client system that has MultiPASS software installed on it (version 3.2x or earlier).

Removing the Printer Driver

As needed, you can remove the printer driver from your system.

To remove the printer driver:

1. On the Windows desktop, click Start, and then point to Settings.
2. On the Settings menu, click Control Panel.
3. In Control Panel, double-click Add/Remove Programs.
4. In the Add/Remove Programs Properties dialog box, click Canon LASER CLASS 2060P, and then click the Add/Remove button (Windows 95/98/Me/NT) or the Change/Remove button (Windows 2000).
5. Follow the on-screen instructions.
6. After the printer driver has been removed, restart your computer.

Chapter 3
Printing

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Printing a Document

Once you have installed the software, you are ready to print a document, from any Windows application that supports printing, such as Word for Windows.

Predefined printer settings are initially installed, enabling you to print immediately. These settings determine what your documents look like when printed. For example, they define such settings as the paper size and page orientation.

Instructions for printing a document can vary somewhat for different Windows applications. Therefore, for detailed instructions, see the user documentation for the specific application from which you are printing.

The following instructions summarize the general procedures for printing a document.

To print a document:

1. With your document open, click the command to print your document. (In most Windows applications, the Print command is on the File menu or toolbar.)

2. In the Print dialog box, make sure the printer is selected under Printer (Windows 95/98/Me/NT) or Select Printer (Windows 2000).

3. Click the command to print your document (usually OK or Print).

Defining Print Settings: an Overview

Print settings determine how your document looks when it is printed. Although predefined print settings are initially installed with the software, you may want to change these settings for certain documents.

Print settings can be changed to suit the type of document you are printing. For example, if you regularly print draft copies of reports, you can define print settings to suit your printing requirements.

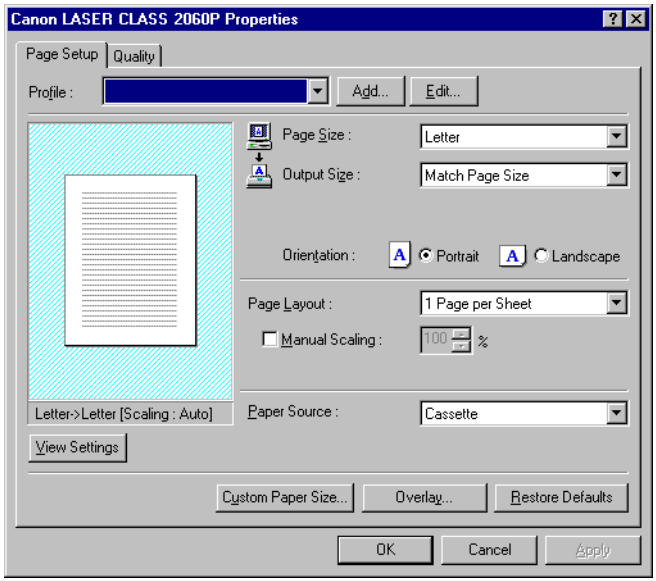
You can change a number of print settings, such as the paper size, page layout, resolution, and halftoning method. If you use certain print settings often, you can save the settings as a print profile and reuse the profile as needed.

The following instructions summarize the general procedures for changing printer settings, based on your version of Windows. For detailed information on specific print settings, see the sections that immediately follow these instructions.

To define print settings (Windows 95/98/Me/NT):

1. With your document open, click the command to print your document. (In most Windows applications, the Print command is on the File menu or toolbar.)

2. In the Print dialog box, click Properties.



3. In the Properties dialog box, on the Page Setup or Quality tab, specify the desired printer settings.

4. To accept the changes and close the dialog box, click OK.

To accept the changes and leave the dialog box open, click Apply (Windows 95/98/Me).

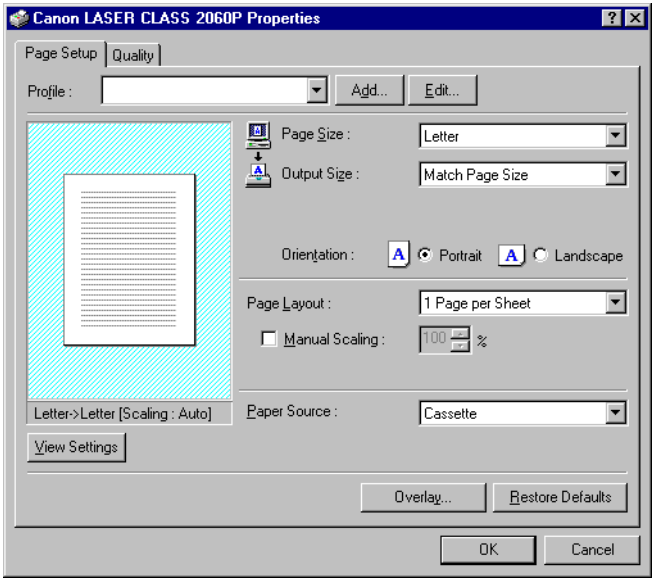
To cancel the changes and return to the default settings, click Restore Defaults.

To close the dialog box without accepting any changes, click Cancel.

To define print settings (Windows 2000):

1. With your document open, click the command to print your document. (In most Windows applications, the Print command is on the File menu or toolbar.)

2. In the Print dialog box, if the Page Setup and Quality tabs do not appear, click Properties. Otherwise, skip to Step 3.



3. On the Page Setup or Quality tab, specify the desired printer settings.

4. To accept the changes, close the dialog box, and print the document, click OK.

If available, to accept the changes and leave the dialog box open, click Apply.

To cancel the changes and return to the default settings, click Restore Defaults.

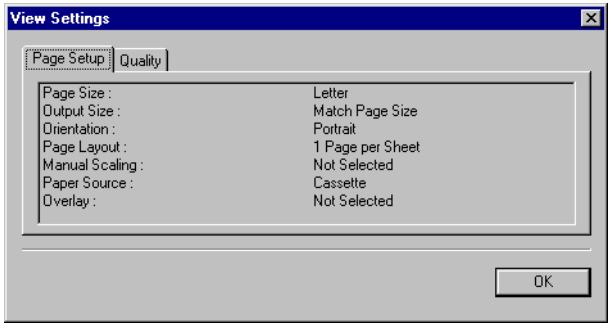
To close the dialog box without accepting any changes or printing the document, click Cancel.

The General tab provides standard Windows settings for your printer driver. For details about these settings, see your Windows user documentation.

Viewing a Summary of Print Settings

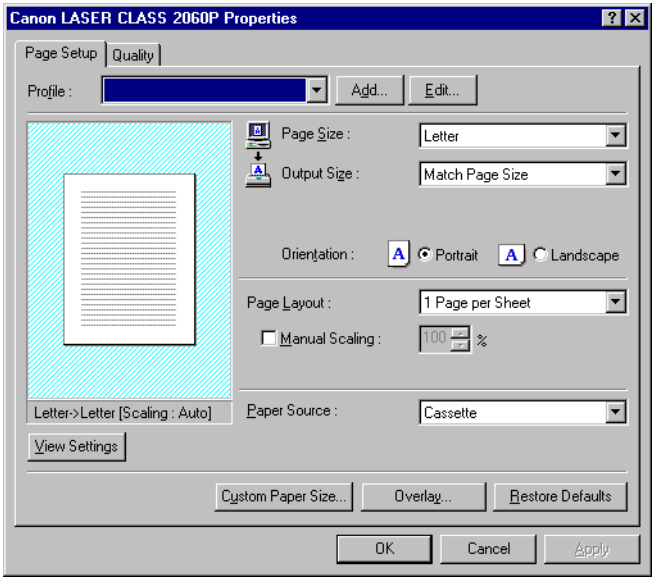
As you work with the individual print settings on the different tabs, you can view a summary of the current settings at any time.

To view a summary of print settings:
On Page Setup or Quality tab, click View Settings.



Defining Page Settings

Page settings determine the following print results, as defined on the Page Setup tab.



❑ **Page Size**
Click the size of the page you want to use for your printed document.

Usually, the page size specified here is the page size you specified when you created your document in the Windows application.

If you want to define a custom size, see the "Defining a Custom Paper Size" section in this chapter for details.

❑ **Output Size**
Click Match Page Size to specify that the print size should be maintained based on the specified page size. If you click another output size, the content of the document is automatically reduced or enlarged to match the output size.

- **Orientation**
  Click Portrait or Landscape to determine how your document is oriented on the page when printed. Portrait prints the content of your document across the narrower dimension of a rectangular sheet of paper. Landscape prints the content of your document across the wider dimension of a rectangular sheet of paper.

- **Page Layout**
  Click how many document pages you want to print on a single sheet of paper.

  If you specify to print more than one page on a sheet, in the Page Order box, click the order in which you want the document pages to appear on the printed page.

- **Manual Scaling**
  If you select to print only one document page per sheet of paper, click to reduce or enlarge the contents of the document when printed. Then, type or click the percentage of reduction or enlargement.

- **Paper Source**
  Click the source of the paper fed into the printer.

  If you select cassette as the source, you should set the paper/output size to letter or A4 only.

Defining a Custom Paper Size

When selecting the page or output size, you can choose a custom form size. The software is initially installed with the following custom-sized form names: Form 1, Form 2, Form 3. You redefine these custom forms as needed, based on your preferred height and width dimensions.

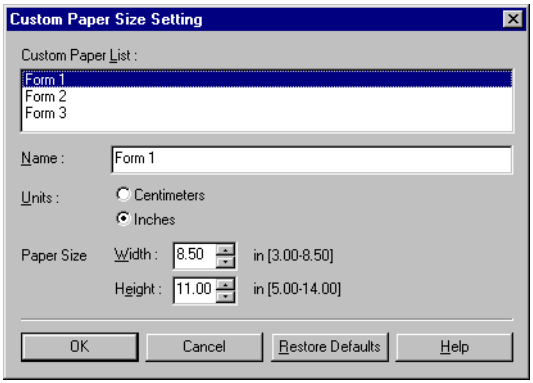
The procedures for defining a custom paper size are different based on whether you are using Windows 95/98/Me or Windows NT/2000.

Defining a Custom Paper Size (Windows 95/98/Me)

Follow these instructions to define a custom paper size if you are using Windows 95/98/Me.

To define a custom paper size (Windows 95/98/Me):

1. On the Page Setup tab, click Custom Paper Size.



2. In the Custom Paper Size Setting dialog box, under Custom Paper List, click an existing form name.

3. If you want to assign a new name to the custom-sized form you are defining, type a name in the Name box.

4. Click the unit of measure by which you want to define the size of your paper.

5. In the Paper Size boxes, type or click the width and height of the custom size.

   You must set the height greater than the width.

6. To save the custom size, click OK.

   To return the settings to their default values, click Restore Defaults.

   To cancel the changed settings, click Cancel.

Your custom-sized paper is now available in the Page Size and Output Size boxes on the Page Setup tab.

Defining a Custom Paper Size (Windows NT/2000)

Follow these instructions to define a custom paper size if you are using Windows NT/2000.

Meeting Size Requirements

When defining the custom form, the size and printer area margins you set must meet certain requirements.

When setting the custom size:
The width and height must meet the following minimum and maximum measurements:

- ❏ Width: 3.00 inches (7.62 cm) to 8.50 inches (21.59 cm)
- ❏ Height: 5.00 inches (12.70 cm) to 14.00 inches (35.56 cm).

The height must be greater than the width.

When setting the printer area margins:
The margins must be set as follows (if you set the custom-sized width less than 8.35 inches (21.20 cm)):

- ❏ Top margin: 0.08 inch (0.20 cm)
- ❏ Bottom margin: 0.24 inch (0.60 cm)
- ❏ Left margin: 0.08 inch (0.20 cm)
- ❏ Right margin: 0.08 inch (0.20 cm).

If you set the custom-sized width greater than 8.35 inches (21.20 cm), you must calculate the left and right printer area margins as follows:

> [width] minus 8.19 inches (20.80 cm) divided by 2 equals [left/right margin]

For example, if you set the width to 8.50 inches (21.59 cm), calculate the left and right margins as follows:

> 8.50 inches (21.59 cm) minus 8.19 inches (20.80 cm) divided by 2 equals 0.155 inch (0.395 cm)

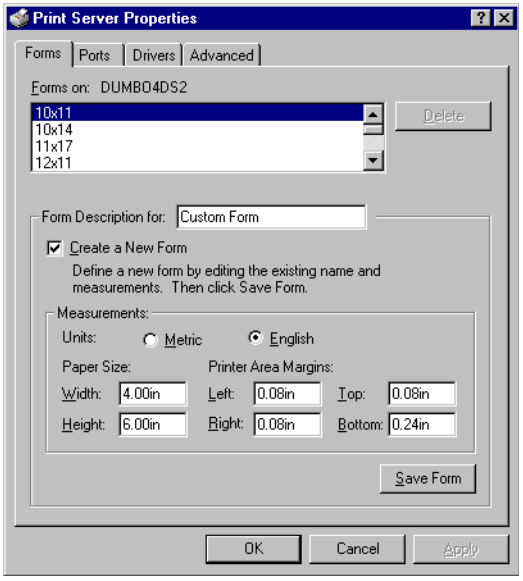
Defining and Assigning the Custom Form

First, you need to define the custom-sized form to make it available on your system. Next, you assign the newly defined form as an available setting in your printer driver.

To define a custom form on your system:

1. On the Windows desktop, click Start, point to Settings, and then click Printers.

2. In the Printers window, on the File menu, click Server Properties.



3. In the Print Server Properties dialog box, on the Forms tab, click Create A New Form.

4. In the Form Description For box, type a name or description for your custom-sized form.

5. Click the unit of measure by which you want to define the dimensions of your form.

6. In the Paper Size boxes, type the width and height of your form.

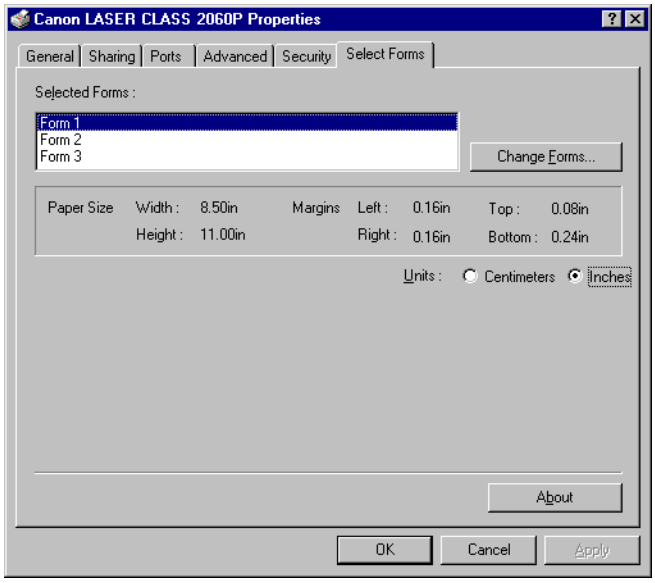
7. In the Printer Area Margins boxes, type the appropriate margins for your form.

8. Click Save Form. Then, click Close to close the dialog box.

To assign the custom form in your printer driver:

1. In the Printers window, right-click the printer icon.

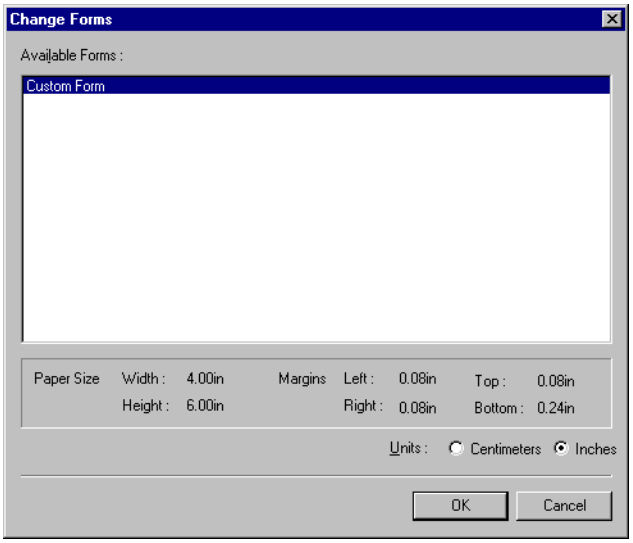
2. On the displayed menu, click Properties.



3. In the Printer Properties dialog box, click the Select Forms tab.

4. In the Selected Forms list, click the form name that you want to replace with your custom-sized form.

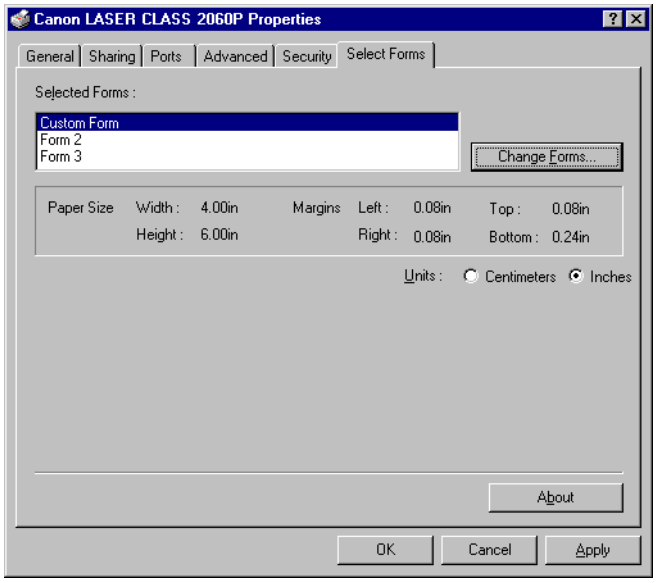
5. Click Change Forms.



6. In the Change Forms dialog box, in the Available Forms list, click the custom-sized form to want to assign.

   You can click the preferred unit of measure for reviewing the size of the selected form.

7. Click OK.



The custom-sized form becomes available in your printer driver and can be selected in the Page Size and Output Size boxes on the Page Setup tab.

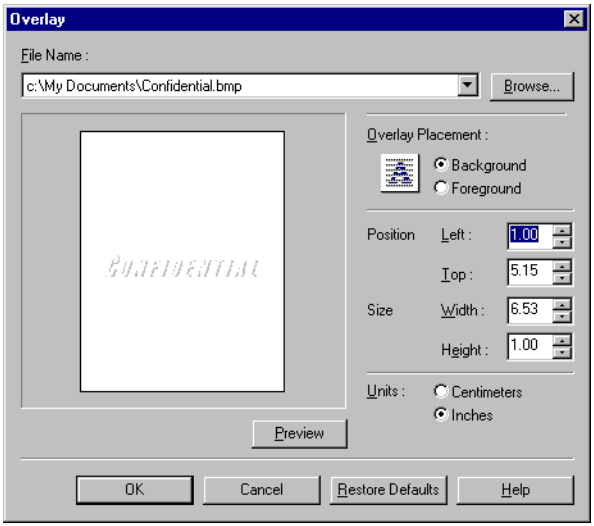
Defining a Print Overlay

You can print your document with an image in the foreground or background. For example, you may want to print your company's logo on letters. Once you select the image you want to use, you can set the placement, position, and size of the overlay. As you define the settings, a graphic illustration provides a preview of the overlay image.

The overlay image file must be available in Windows bitmap (.BMP) or metafile (.WMF) format.

To define a print overlay:

1. On the Page Setup tab, click Overlay.



2. In the Overlay dialog box, do one of the following:

   - In the File Name list, click an existing overlay image.

   - To select a new overlay image file, click Browse. Then, in the Select File dialog box, type or click the path and file name for the image that you want to use. Then, click OK.

3. Under Overlay Placement, click whether you want the image in the foreground or background of your printed document.

4. Click the unit of measure by which you want to define the position and size of the overlay image.

5. In the Position boxes, type or click the desired position of your background image, from the left and top edges of the paper.

6. In the Size boxes, type or click the height and width of the overlay image.

7. To update the preview overlay image if you type, rather than click, the position and size, click Preview.

When you type, rather than click, the actual values, the preview illustration of the overlay image does not automatically reflect the changes.

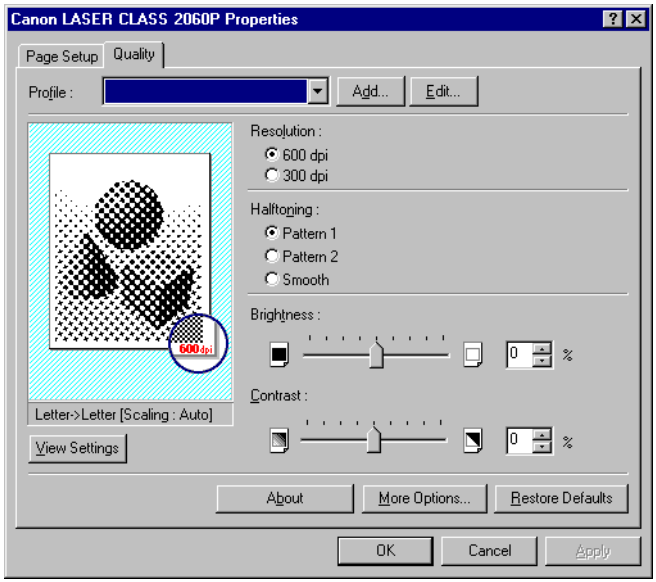
8. To save your overlay settings, click OK.

   To return the position and size settings to their original values, click Restore Defaults.

   To cancel your changed settings, click Cancel.

Defining Quality Print Settings

Quality print settings determine the following print results, as defined on the Quality tab.



❑ **Resolution**
Click the resolution, in dots per inch (dpi) for your printed document. Usually, the higher the resolution, the sharper the appearance of the document. However, print speed may be slower.

❑ **Halftoning**
Click the desired halftoning method, that determines the dark and light shadings in your grayscale images:

- Pattern 1
  Click for standard halftoning.

- Pattern 2
  Click for halftoning that uses a different pattern than Pattern 1.

- Smooth
  Click for near-photographic quality printing.

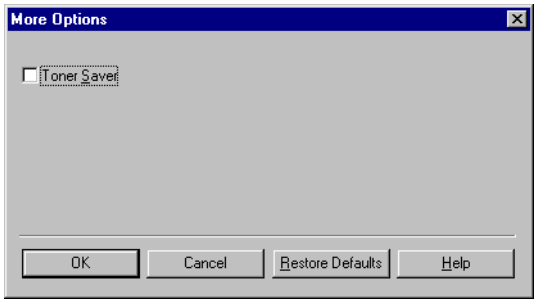
❑ **Brightness**
Move the slider, or type or click the percentage, to increase or decrease the level of brightness of your image. The lower the brightness, the darker the image.

❑ **Contrast**
Move the slider, or type or click the percentage, to increase or decrease the level of difference between the darker and lighter parts of your image. The lower the contrast, the smaller the difference between the darker and lighter parts of the image.

Conserving Toner When Printing

You can conserve the amount of toner that is used when printing a document. For example, if you are printing a draft copy of a report, you may prefer to print with a reduced amount of toner, until you are ready to print the final version.

To conserve toner when printing:
1. On the Quality tab, click More Options.



2. In the More Options dialog box, click Toner Saver.
3. To save your setting, click OK.

   To return the setting to its default value, click Restore Defaults.

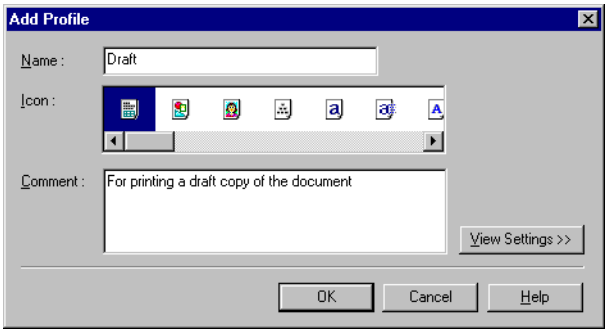
   To cancel your changed setting, click Cancel.

Adding a Print Profile

After you define the settings on the Page Setup and Quality tabs, you can save the settings as a print profile for future use. For example, one print profile may be appropriate when printing a Word document, and another when printing a Photoshop graphic. To quickly set options for printing your next document, you can select your saved print profile.

To add a print profile:

1. On the Page Setup and Quality tabs, define your print settings. Then, click Add.



2. In the Add Profile dialog box, enter a name for the new print profile in the Name box.

3. In the Icon box, click an icon to associate your new print profile.

4. In the Comment box, type an internal description of the print profile.

5. To review the print settings that will be saved as a print profile, click View Settings.

6. To save the profile, click OK.

   To cancel your settings, click Cancel.

Using a Print Profile

Once you have added print profiles, you can use any particular profile when printing a document.

To use a print profile:
On the Page Setup or Quality tab, click the desired print profile in the Profile box.

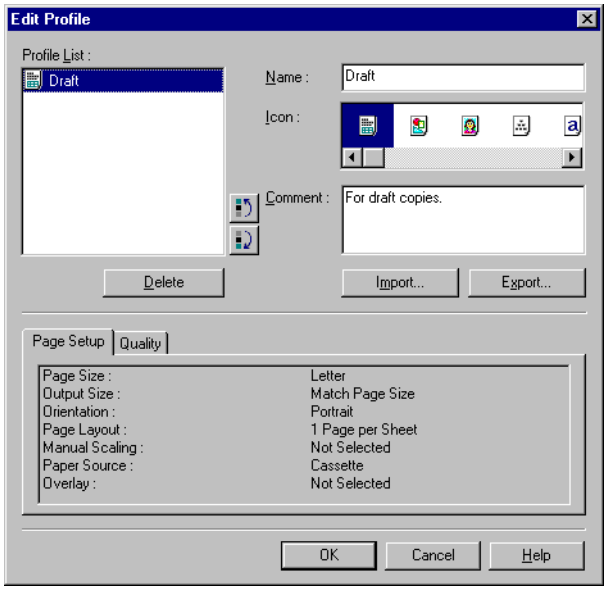
The settings saved for the selected profile appear on the tabs.

Editing a Print Profile

After adding print profiles, you can edit a print profile to accomplish one of the following:

- ❏ Change information about a print profile (name, icon, or comments)
- ❏ Adjust the display order of the existing profiles
- ❏ Export a print profile to a file
- ❏ Import a print profile from a file
- ❏ Delete a print profile.

To edit a print profile:
On the Page Setup or Quality tab, click Edit.



For further instructions, see the corresponding sections that follow.

Changing Information About a Print Profile

For easier reference, you may want to assign a different name or icon to a print profile, or record additional comments about the intended use of the print profile.

To change information about a print profile:

1. In the Edit Profile dialog box, in the Profile List box, click the print profile that you want to edit.
2. Enter your changes for the name, icon, and comments.
3. To save the profile, click OK.

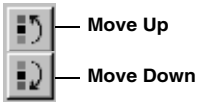
   To cancel your settings, click Cancel.

Adjusting the Display Order

The print profiles display on the Page Setup and Quality tabs in a particular order. If the current order is not convenient for you, you can adjust the display order.

To adjust the display order of the print profiles:

1. In the Edit Profile dialog box, in the Profile List box, click the print profile that you want to move.
2. Click Move Up or Move Down to move the profile as desired.



3. To save the change, click OK.

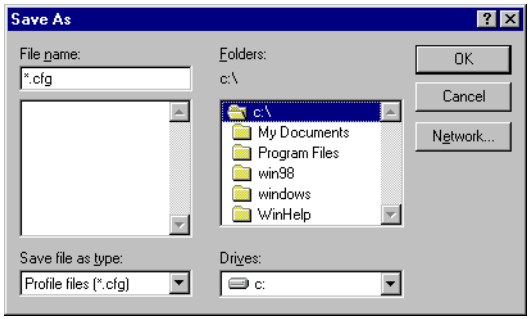
   To cancel your change, click Cancel.

Exporting a Print Profile

To keep the number of print profiles to a minimum, you can export a print profile as a file (with the file name extension .cfg). Once a print profile is exported, you can delete the print profile from the list. Anytime you need the print profile, you can import the file, to use the print profile again.

To export a print profile as a file:

1. In the Edit Profile dialog box, in the Profile List box, click the custom print profile that you want to export. Then, click Export.



2. In the Save As dialog box, type or click the path and file name.

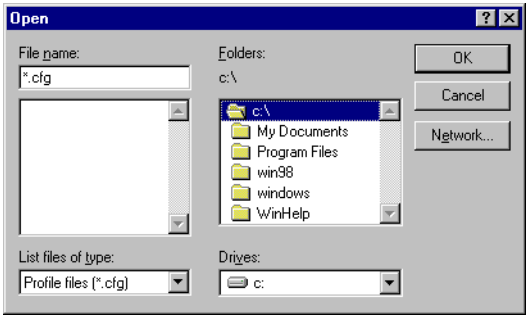
3. Click OK.

Importing a Print Profile

If you have a print profile that you exported to a file and then deleted, you can import the file to use the print profile again.

To retrieve a print profile from a file:

1. In the Edit Profile dialog box, in the Profile List box, click Import.



2. In the Open dialog box, type or click the path and file name for the print profile.

3. Click OK.

Deleting a Print Profile

When you decide that you no longer need a print profile, you can delete it (for example, after exporting the print profile).

To delete a print profile:

1. In the Edit Profile dialog box, in the Profile List box, click the print profile that you want to delete.

2. Click Delete.

Displaying Printer Driver Information

You can display information about your printer driver, such as the version and copyright.

To display printer driver information:
On the Quality tab, click About.

Defining Default Print Settings

You can access printer driver settings directly from the Windows desktop, before actually printing a document, to change the default print settings.

To set the default printer settings:

1. On the Windows desktop, click Start, point to Settings, and then click Printers.
2. In the Printers window, click the printer icon.
3. On the File menu, click Properties (Windows 95/98/Me), Document Defaults (Windows NT), or Printing Preferences (Windows 2000).
4. In the Properties dialog box (Windows 95/98/Me), Printer Default dialog box (Windows NT), or Printing Preferences dialog box (Windows 2000), on the Page Setup and Quality tabs, specify your changes and click OK.

The following tabs provide standard Windows settings for your printer driver: General, Details, and Sharing tabs in Windows 95/98/Me; General, Ports, Sharing, and Security tabs in Windows NT/2000, Scheduling tab in Windows NT, and Advanced tab in Windows 2000.

For details about these settings, see your Windows user documentation.

Chapter 4
Frequently Asked Questions

Contents of this chapter:

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- ❑ Installation Is Displaying Unexpected Behavior. 4-2
- ❑ Documents Are Not Printing Correctly. 4-3
- ❑ Paper Is Not Loading Correctly. 4-5
- ❑ The Print Quality Is Not Satisfactory. 4-6

Printer Cannot Be Initialized.

❑ ***Is the operation panel blank?***

You might have a power problem. Check that the power cord is plugged securely into the printer, and that your electrical source is OK. You should have the printer connected directly to its own AC outlet and not connected to a power strip to which your computer is connected.

❑ ***Is the printer set to the correct port?***

Make sure that the printer is configured for the correct port in the Printer Properties dialog box. Be sure that the printer is the only device configured to the port. Remove any switch boxes, zip drives, tape backups, docking stations, or scanners from the port if necessary. Check both ends of the printer cable to be sure that it is securely fastened.

Installation Is Displaying Unexpected Behavior.

❑ ***For Windows 98: When restarting after installation, is the system trying to install the printer driver again?***

When you restart the computer after installing the printer driver, you may encounter one of the following situations:

❑ **Found new hardware wizard displays.**
If this occurs, click Cancel.

❑ **Prompt for printer driver installation disk displays.**
If this dialog box displays, do one of the following:

- If Cancel is available, click Cancel.
- If Cancel is not available, click OK. Then insert the printer driver installation disk into your disk drive and browse to the \Setup\WinBJ\A\Disk1 folder.

Documents Are Not Printing Correctly.

❑ ***Is the operation panel blank?***

You might have a power problem. Check that the power cord is plugged securely into the printer, and that your electrical source is OK.

❑ ***Is the printer warm to the touch?***

The printer might have overheated and shut down. Turn the printer off and let it cool down for several minutes. Try using it again. Be aware that if the printer is turned off for more than an hour, any unprinted documents are cleared from printer memory. Unprinted documents can include received faxes waiting to be printed or scheduled faxes waiting to be sent.

❑ ***Is the ALARM light on?***

If you are unable to resolve the error displayed in the LCD, turn off the printer. Wait 15 seconds and plug it in again to turn on the power. The ALARM light should go out.

❑ ***Does paper not come out of the printer?***

Check that you have a bi-directional cable connecting the printer to your PC. Check your computer's setup to be sure the primary port is set to the appropriate printer port, for example, LPT1 or LPT2. Make sure the Print Setup option of your printing application shows your printer as the printer selected.

❑ ***Does the job not print when using DOS?***

The printer driver can be used to print documents only in Windows; it cannot print a document in DOS.

❑ ***Does the Check Paper Size message appear in the LCD display on your printer or on your PC?***

Make sure the paper size is set the same for all of the following:

❑ Paper placed in the paper cassette

- ❏ Paper size specified in the operation panel of your printer
  (For details, see the "Changing the Paper Size Setting" section in the *Canon LASER CLASS 2060P User's Guide*.)

- ❏ Page size specified in the print properties for your printer

- ❏ Paper size specified in page or print setup in your Windows application.

❏ ***Is the document printing with undesirable results?***

You may experience undesirable results when printing a document if you have the Windows Printing System (or other bi-directional device, such as a later model laser printer) installed on your computer and you are attempting to use the same port on which you also have the printer connected. Be sure that the printer is the only device configured to a particular port. The printer operates properly only with a dedicated parallel port.

❏ ***Is the document not printing?***

If your document is not printing, consider the following.

- ❏ **The print settings are not appropriately defined.**
  Check your print settings for the printer. If you selected cassette as the paper source, you should not set the paper/output size to legal or envelope.

- ❏ **The printer driver may not have installed fully.**
  To verify if the installation was incomplete, display the Start menu on the Windows desktop. If the Canon LASER CLASS item does not appear, you need to complete the printer driver installation.

  To do so, insert the installation disk into your disk drive.
  Follow the on-screen instructions to complete the installation.
  (If installation does not start automatically, click Start, and then click Run. In the Run dialog box, type `D:\SETUP\SETUP.EXE` (where D: is your disk drive containing the installation disk), and then click OK.)

❏ **You need to check your Windows application settings.**
To determine if your Windows application settings may be the problem, print a test page with your printer driver. To do so, open the printer properties dialog box. On the General tab, click Print Test Page.

If the test page prints successfully, the printer and printer driver are set up appropriately. Therefore, check the settings for your Windows application.

❏ **You may need to remove and reinstall the printer driver.**
To determine if you need to remove and reinstall the printer driver, print a test page (as described in the previous item). If the test page does not print successfully, remove the printer driver, and then reinstall (as described in Chapter 2).

❏ ***Are you unable to print to a shared printer?***

If you are using a client system that is set up to use a shared printer, yet you are unable to print to the shared printer, check the following:

❏ That the server system, to which the printer is connected, is turned on

❏ That the server system has set the printer to be shared

❏ That the server system is set to allow your system access to the shared printer.

Paper Is Not Loading Correctly.

❏ ***Does paper not load into the printer?***

The paper tray/cassette might contain too many sheets or paper might not be inserted all the way into the tray/cassette.

❏ ***Does paper not feed through one sheet at a time?***

Be sure to fan the stack of paper before placing it in the paper tray/cassette.

❑ ***Is an envelope not loading correctly?***

Make sure you do not stack more than 7 envelopes in the paper tray.

The Print Quality Is Not Satisfactory.

❑ ***Is some of the document content not printing?***

If some of the document content is not printing, check that the printer cable is securely plugged in at both ends. Make sure your cable does not exceed the maximum length: 6.6 feet (2 meters). Check your application's print setup to make sure your printer is selected.

❑ ***Does some of the document content not fit on the page?***

Make sure paper is aligned correctly in the paper feeder. Check that margins and paper size are set correctly in your printing application. Also, check that the scaling is set appropriately in the printer driver settings. The scaling may be set to enlarge the document page to a size that is too large for the paper.

❑ ***Is printing not clear?***

Check the print resolution. A higher resolution prints more clearly.

❑ ***Do fonts not print smoothly?***

Bitmapped fonts designed for dot matrix printers will not look smooth when printed by your high-resolution printer. Choose another font. Make sure you install an outline font manager such as Adobe Type Manager or Bitstream Facelift, or that you choose a TrueType font.

❑ ***Is the printing not dark enough?***

Check the print settings, such as the print resolution, brightness, contrast, and toner saver. Try replacing the toner cartridge.

❑ ***Did a toner low warning appear while printing?***

If you want to continue printing your document, even though you are low on toner, change the TONER SUPPLY LOW setting on the printer from RX TO MEMORY to KEEP PRINTING. (Even if the toner cartridge is out of toner, the document will not be stored in memory.)

❑ ***Do vertical white streaks appear?***

Vertical white streaks may appear when the error message REPLACE CARTRIDGE is displayed. This situation indicates that the toner level is low or that the toner is unevenly distributed in the cartridge.

To resolve the situation, open the printer cover and remove the toner cartridge. Gently rock the cartridge from side to side five or six times to evenly distribute the toner inside. Replace the cartridge in the printer, and close the printer cover.

If redistributing the toner does not resolve the situation, replace your cartridge.

Appendix A
Sharing Your Printer Cross-Platform in Windows NT/2000

If you are using Windows NT/2000, you may need to set up an alternate or additional driver in the following situations:

- ❏ Windows NT/2000 server system sharing with Windows 95/98/Me client systems
- ❏ Windows 2000 server system sharing with Windows NT client systems.

The procedures vary somewhat based on whether you are using Windows NT or Windows 2000.

Sharing Your Printer in Windows NT

Follow these instructions if you are sharing your printer on a Windows NT server system with Windows 95/98/Me client systems.

For the setup procedure, it is recommended that you have the printer driver installation disk available during the setup.

To set up the printer for sharing:

1. On the server system, on the Windows taskbar, click Start.
2. On the Start menu, point to Settings. Then, click Printers.
3. In the Printers window, click the printer icon.
4. On the File menu, click Sharing.
5. In the Properties dialog box, on the Sharing tab, click Shared.

6. In Share Name box, type a name you want to assign to the shared printer.

7. Under Alternate Drivers, click Windows 95. Then, click OK.

8. Follow the on-screen instructions.

   - When prompted to insert the Windows 95 Flat Share disk into your disk drive, insert the printer driver installation disk instead.

   - When prompted for an .inf file, browse the printer driver installation disk for the following folder:

     `\Setup\WinBJ\A\Disk1`

Sharing Your Printer in Windows 2000

Follow these instructions if you are sharing your printer on a Windows 2000 server system with Windows 95/98/Me or Windows NT client systems.

During the setup, have the printer driver installation disk available.

To set up the printer for sharing:

1. On the server system, on the Windows taskbar, click Start.

2. On the Start menu, point to Settings. Then, click Printers.

3. In the Printers window, click the printer icon.

4. On the File menu, click Sharing.

5. In the Properties dialog box, on the Sharing tab, click Shared As.

6. In the Shared As box, type a name you want to assign to the shared printer.

7. Click Additional Drivers.

8. Follow the on-screen instructions:

- When prompted in the Additional Drivers dialog box, click the environment you want to support on your Intel Pentium system: Windows 95/98, or Windows NT 4.0.
- When prompted to insert your Windows 2000 disk in your disk drive, insert the printer driver installation disk instead.
- When prompted for an .inf file, browse your printer driver installation disk for the following folder:

  For setting up the Windows 95/98/Me driver:

  ```
  \Setup\WinBJ\A\Disk1
  ```

  For setting up the Windows NT driver:

  ```
  \Setup\NTDrv\A\Disk1
  ```

Appendix B
Installing from a Local or Network Drive

If the printer driver software has been placed on a local or network drive, you can install the software on your system from that drive, rather than using the printer driver installation disk.

Installing the Software

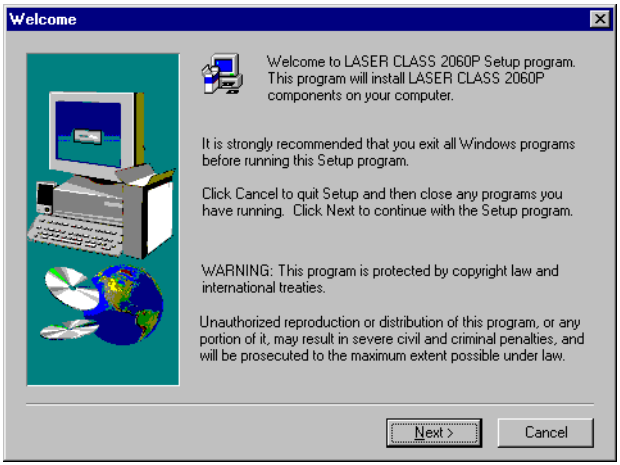
You are ready to install the software once you have prepared your system, as described in the "Before You Begin the Installation: a Checklist" section in Chapter 2.

To install the software:

1. On the Windows desktop, click Start. Then click Run.

2. In the Run dialog box, browse to the drive and folder where the printer driver software is located. In the folder containing the printer driver software, locate the following folder and file, and click OK:

   `\SETUP\Setup.exe`


Welcome
Welcome to LASER CLASS 2060P Setup program. This program will install LASER CLASS 2060P components on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

3. Follow the on-screen instructions to complete the installation process.

   During installation, follow these guidelines:

   - Click Next to move from one dialog box to the next.
   - Make sure you click Next or OK on the current dialog box.
   - Be sure to wait for Windows to complete each setup step. If you hear the computer working, wait until it is done.

4. If prompted, connect your printer cable to the port on your computer.

5. When the setup is finished, if prompted, restart Windows.

   The installation program determines whether Windows needs to be restarted on your system.

If you want to remove the printer driver software from your system, see the “Removing the Printer Driver” section in Chapter 2.

Glossary

A

application
Software prepared for a specific function or set of functions. Examples of an application program include word processing programs. Developers who make application programs include drivers that support different types of printers.

automatic feed
Method by which paper can be fed into the printer when the built-in paper feeder is used.

B

bi-directional parallel interface port
An interface connection that is capable of both sending and receiving information.

brightness
The relative proportion of light and dark areas. Decreasing brightness darkens the overall image. Increasing brightness lightens the overall image.

C

Centronics
An interface standard for parallel data transmission.

contrast
The degree of difference between the lightest and darkest areas of an image. Decreasing contrast lightens the dark areas and darkens the light areas. Increasing contrast darkens the dark areas and lightens the light areas.

D

default setting
A system setting incorporated at the factory and permanently registered in the application. Also, a value or a setting that the software assumes until or unless you specify another value.

dpi
Dots per inch. A unit of measurement for indicating a printer resolution.

F

form
A custom paper size, with width and height dimensions defined by the user.

G

graphic
A written, printed, or electronically displayed symbol or drawing. Also, characters or text that have been generated by a computer graphics application program.

grayscale
A color in black and white as a result of different intensities of black.

H

halftone
The process of converting a grayscale image to black dots and white (unprinted) dots that simulate the gray shades in the original image.

K

kilobyte (KB)
A unit of measure, representing the binary number 1024, in thousand-byte units.

L

landscape orientation
The horizontal print orientation in which a document is printed across the wider dimension of a rectangular sheet of paper. This is the print mode often used for wide tables of data or graphic images. Compare with portrait orientation.

local printer
A printer that is connected directly to your computer.

M

megabyte (MB)
A unit of measure, representing one million bytes.

N

network
A group of computers connected by cables or other means and using software that enables them to share equipment (such as printers) and exchange information.

O

orientation
The print orientation in which a document is printed either across the narrower or wider dimension of a sheet of paper (portrait orientation or landscape orientation, respectively).

overlay
Print data or an image (such as a logo or title) that is printed in the foreground or background of all the pages of a document.

P

paper feed
Movement of a sheet of paper into the printer paper path.

portrait orientation
The vertical print orientation in which a document is printed across the narrower dimension of a rectangular sheet of paper. This is the print mode typical of most letters, reports, and other such documents. Compare with landscape orientation.

printer driver
Software that sends printing instructions to a printer. The printer driver keeps track of the attributes of a printer and the codes a program must send to access those attributes.

R

resolution
The density of dots for any given output device, expressed in dots per inch (dpi). Low resolution causes font characters and graphics to have a jagged appearance, but prints faster than higher resolutions. Higher resolution provides smoother curves and angles, as well as a better match to traditional typeface designs, but prints more slowly.

S

scaling
Enlarging or reducing the printed image.

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